Instructions

Form E90 - Emission Point/Process Air Pollutant Emissions

Identifying Information

Plant ID: Enter the plant ID (formerly also called "EIS number") assigned to this plant by the Louisville Metro Air Pollution Control District. This is a number between 1 and 1800.

Emission Year: Enter the 4-digit calendar year covered by this emissions report, normally last year.
Company Name: Enter the name of the company as shown on the current APCD operating permit for this plant.
Emissions Unit: For a Title V plant, this is the emissions unit identifier from the operating permit for the emissions unit that includes this process. For FEDOOP and Minor Source plants, this the attachment number or permit number. If in doubt, this can be left blank.

Emission Point/Process ID: The identifier in the plant's operating permit for this "emission point" (a process, piece of equipment, grouping of equipment, or component of a process)

Process Type: select the appropriate category from the drop-down list.
Process Description: Enter a brief description of the process. This can be omitted if the process type fully describes it.
Comments: Here you can optionally enter any relevant comments about this emission point for this emissions year.

Operating Schedule

Normal hours of operation per day: Please enter the number of hours this **emission point** was operating per 24-hour day, not necessarily the hours the business was operating. For example, if the process runs from 8:00 a.m. to 11:00 a.m. and 1:00 p.m. to 4:00 p.m., that is a total of 6 hours per day.

Normal days this emission point operated per week: Please enter the number of days each 7-day week the process was normally operated.

Actual weeks of operation: please list the weeks the emission point was actually operated during the calendar year this report covers (for example, 47 weeks).

The next line shows the calculated number of hours per year based on these normal numbers. If the hours of operation are 24x7x52, the total is calculated as 8760 hours because there are 365 days in most years, not 7 times 52 = 364.
Actual hours of operation in the year: Enter the actual number of hours this emission point operated in the calendar year this report covers.

Throughput

If the emission point emits only particulate matter and/or VOCs, and you have entered throughputs on each of forms E40 and E50 as appropriate, you can leave the throughput here blank.

Throughput per hour: This is the number of pounds per hour or other unit per hour of raw material used or moved or product produced. Whether to use raw material or product depends on which is more appropriate for calculating emissions for this emission point based on available emission factors or engineering calculations.
Throughput per year: This is the number of tons or other unit of raw material used or moved or of product produced in one calendar year of typical operation.

The "Page Identifier" box at the very bottom of each page is a place where you can enter your own identifier for this copy of this form among other pages in your emissions inventory submittal.

Release Points

Each stack, chimney, vent or location of fugitive emissions (leaks) should be described in a copy of Form E91. On this form, use the same release point identifiers to indicate what percentage of the emissions from this emission point go to which release points. For example, if you have a stack identified as "Stack 1" and a fugitive emissions area identified as "Fugitive 1" and 85% percent of the emissions go through the stack and 15% leak out through the fugitive emissions area: You would enter "Stack 1" under "Release Point Identifier" and "85" under "Percent" in the first row. In the second row, you would enter "Fugitive 1" and "15". You would need to fill out a copy of Form E91 for Stack 1 and another copy of Form E91 for Fugitive 1.

Emissions

List each air pollutant that is emitted from this emission point. Indicate the actual emission rate in tons per year for each pollutant emitted from this process. Attach your calculations.

In the "Calc. Method" column, indicate from the following, which method was used to determine the

1 Continuous Emission Monitoring System
2 Engineering Judgment
3 Material Balance
4 Stack Test (no Control Efficiency used)
5 USEPA Speciation Profile
6 S/L/T Speciation Profile
7 Manufacturer Specification
8 USEPA Emission Factor (no Control Efficiency used)
9 S/L/T Emission Factor (no Control Efficiency used)
10 Site-Specific Emission Factor (no Control Efficiency used)
11 Vendor Emission Factor (no Control Efficiency used)
12 Trade Group Emission Factor (no Control Efficiency used)
13 Other Emission Factor (no Control Efficiency used)
24 Stack Test (pre-control) plus Control Efficiency
28 USEPA Emission Factor (pre-control) plus Control Efficiency
29 S/L/T Emission Factor (pre-control) plus Control Efficiency
30 Site-Specific Emission Factor (pre-control) plus Control Efficiency
31 Vendor Emission Factor (pre-control) plus Control Efficiency
32 Trade Group Emission Factor (pre-control) plus Control Efficiency
33 Other Emission Factor (pre-control) plus Control Efficiency

1. Non-HAP air pollutants:

Enter non-HAP emissions in tons.

Use form E40 and your own calculations to determine particulate matter emitted. If you do not enter a value for $PM_{2.5}$ emissions, they will be assumed to be equal to your PM_{10} emissions. If you do not enter a value for PM_{10} emissions, they will be assumed to be equal to your total PM (TSP) emissions.

Use forms E50 through E55 as appropriate, and your own calculations, to determine VOCs emitted. This total includes emissions of most compounds listed under Hazardous Air Pollutants below. Title V sources will **not** be double-billed for HAPs that are VOCs.

2. Hazardous Air Pollutants (HAPs):

In each row, select a different emitted substance from the drop-down list. **Enter HAP emissions in pounds.** If there are more than 20, use a second copy of the form or an attached sheet. (On the second copy, only the plant ID, emissions year, emission point ID and the additional HAPs and amounts need to be filled in.)

Emission Control Devices and Practices:

Please specify what devices, practices or measures are used to control or reduce air pollution emissions from this emission point. There are four identical sections to allow for up to four control devices or measures applied in sequence.

Louisville Metro Air Pollution Control District
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Please read the instructions carefully before completing this form.

Plant ID: Emission Year:

Company Name:

Emission Unit:

Emission Point/Process ID:

Process Type:

Process Description:

Comments:

Completed by: Phone #:

E-Mail Address:

Throughput

Operating Schedule for the Reporting Calendar Year:

Normal hours this emission point operated per 24-hour day:

Normal days this emission point operated per week:

Actual number of weeks it operated in the report year:

Calculated hours of operation for the year: 0

Actual hours this emission point operated in the report year:

Throughput:

Throughput per hour:

Throughput per year:

Release Points (Stacks, Vents, Fugitive):

Use the same release point identifiers as on Form E91.

Release Point Identifier	Percent of Emissions	
		%
		%
		%
Total (must equal 100%):	0	%

Page Identifier:

Emissions

List each air pollutant that is emitted from this process. Indicate the actual emissions in tons for each pollutant emitted from this process. **Please attach all calculations.**

1. Non-HAP air pollutants:

Pollutant	Tons	Calculation Method
VOCs		
Carbon monoxide (CO)		
Oxides of nitrogen (NOx)		
Sulfur dioxide (SO_2)		
Particulate: TSP		
Particulate: PM_{10}		
Particulate: $PM_{2.5}$		
Ammonia (NH_3)		
Boron trifluoride, CAS # 7637-07-2		
Nitric Acid, CAS # 7697-37-2		
Sulfuric Acid, CAS # 7664-93-9		

2. Hazardous Air Pollutants (HAPs):

In each row, select a different emitted substance from the drop-down list and enter the emissions for the year in **pounds**. If there are more than 20, use a second copy of the form or an attached

	Pollutant	Pounds	Calculation Method
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Total HAPs: 0.000 lb

= 0.00000 tons

☐ None of the compounds listed on the HAPs tab are emitted from this process.

Page Identifier:

Emission Control Devices and Practices:

List the control devices and practices used to reduce air pollutant emissions from this process, in the order in which they are applied.

Control 1:

Control identifier:

Type of control:

Tested efficiency of the control device: %

Capture efficiency of the process controlled: %

Estimated percent down time for control device this year: %

Comment:

Control 2:

Control identifier:

Type of control:

Tested efficiency of the control device: %

Capture efficiency of the process controlled: %

Estimated percent down time for control device this year: %

Comment:

Control 3:

Control identifier:

Type of control:

Tested efficiency of the control device: %

Capture efficiency of the process controlled: %

Estimated percent down time for control device this year: %

Comment:

Control 4:

Control identifier:

Type of control:

Tested efficiency of the control device: %

Capture efficiency of the process controlled: %

Estimated percent down time for control device this year: %

Comment:

Page Identifier:

Hazardous Air Pollutants

Description	EPA Chemical Reg. Name	Category
67-42-5: (Ethylenebis(Oxyethylenenitrilo)) Tetraacetic Acid	Ethylenebis(oxyethylenenitrilo)tetraacetic acid	Glycol Ethers
79-34-5: 1,1,2,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane
79-00-5: 1,1,2-Trichloroethane	1,1,2-Trichloroethane	1,1,2-Trichloroethane
57-14-7: 1,1-Dimethyl Hydrazine	1,1-Dimethylhydrazine	1,1-Dimethylhydrazine
58-89-9: 1,2,3,4,5,6-Hexachlorocyclohexane	Lindane	Lindane (All isomers)
67562-39-4: 1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,6,7,8-Heptachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
35822-46-9: 1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Dioxins/Furans as 2,3,7,8-TCDD TEQs
55673-89-7: 1,2,3,4,7,8,9-Heptachlorodibenzofuran	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
70648-26-9: 1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
39227-28-6: 1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	Dioxins/Furans as 2,3,7,8-TCDD TEQs
57117-44-9: 1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
57653-85-7: 1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Dioxins/Furans as 2,3,7,8-TCDD TEQs
72918-21-9: 1,2,3,7,8,9-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
19408-74-3: 1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Dioxins/Furans as 2,3,7,8-TCDD TEQs
57117-41-6: 1,2,3,7,8-Pentachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
40321-76-4: 1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Dioxins/Furans as 2,3,7,8-TCDD TEQs
120-82-1: 1,2,4-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trichlorobenzene
96-12-8: 1,2-Dibromo-3-Chloropropane	1,2-Dibromo-3-chloropropane	1,2-Dibromo-3-Chloropropane
110-71-4: 1,2-Dimethoxyethane	Ethylene glycol dimethyl ether	Glycol Ethers
122-66-7: 1,2-Diphenylhydrazine	1,2-Diphenylhydrazine	1,2-Diphenylhydrazine
106-88-7: 1,2-Epoxybutane	1,2-Butylene oxide	1,2-Epoxybutane
75-55-8: 1,2-Propylenimine	Propyleneimine	1,2-Propylenimine
106-99-0: 1,3-Butadiene	1,3-Butadiene	1,3-Butadiene
542-75-6: 1,3-Dichloropropene	1,3-Dichloropropene	1,3-Dichloropropene
1120-71-4: 1,3-Propanesultone	1,3-Propane sultone	1,3-Propane Sultone
106-46-7: 1,4-Dichlorobenzene	p-Dichlorobenzene	1,4-Dichlorobenzene
42397-64-8: 1,6-Dinitropyrene	1,6-Dinitropyrene	Polycyclic Organic Matter
42397-65-9: 1,8-Dinitropyrene	1,8-Dinitropyrene	Polycyclic Organic Matter
2422-79-9: 12-Methylbenz(a)Anthracene	12-Methylbenz[a]anthrancene	Polycyclic Organic Matter
23436-19-3: 1-Isobutoxy-2-Propanol	1-Isobutoxy-2-propanol	Glycol Ethers
90-12-0: 1-Methylnaphthalene	1-Methylnaphthalene	Polycyclic Organic Matter
832-69-9: 1-Methylphenanthrene	1-Methylphenanthrene	Polycyclic Organic Matter
2381-21-7: 1-Methylpyrene	1-Methylpyrene	Polycyclic Organic Matter
5522-43-0: 1-Nitropyrene	1-Nitropyrene	Polycyclic Organic Matter
27310-21-0: 2-(2,4-Hexadienyloxy)Ethanol	Ethylene glycol mono-2,4-hexadienyl ether	Glycol Ethers
112-25-4: 2-(Hexyloxy)Ethanol	Ethylene glycol monohexyl ether	Glycol Ethers

Description	EPA Chemical Reg. Name	Category
540-84-1: 2,2,4-Trimethylpentane	2,2,4-Trimethylpentane	2,2,4-Trimethylpentane
60851-34-5: 2,3,4,6,7,8-Hexachlorodibenzofuran	2,3,4,6,7,8-Hexachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
57117-31-4: 2,3,4,7,8-Pentachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
51207-31-9: 2,3,7,8-Tetrachlorodibenzofuran	2,3,7,8-Tetrachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
1746-01-6: 2,3,7,8-Tetrachlorodibenzo-p-Dioxin	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Dioxins/Furans as 2,3,7,8-TCDD TEQs
7012-37-5: 2,4,4'-Trichlorobiphenyl (PCB-28)	2,4,4'-Trichlorobiphenyl	Polychlorinated Biphenyls
95-95-4: 2,4,5-Trichlorophenol	2,4,5-Trichlorophenol	2,4,5-Trichlorophenol
88-06-2: 2,4,6-Trichlorophenol	2,4,6-Trichlorophenol	2,4,6-Trichlorophenol
94-75-7: 2,4-Dichlorophenoxy Acetic Acid	2,4-D	2,4-Dichlorophenoxy Acetic Acid
51-28-5: 2,4-Dinitrophenol	2,4-Dinitrophenol	2,4-Dinitrophenol
121-14-2: 2,4-Dinitrotoluene	2,4-Dinitrotoluene	2,4-Dinitrotoluene
584-84-9: 2,4-Toluene Diisocyanate	Toluene-2,4-diisocyanate	2,4-Toluene Diisocyanate
53-96-3: 2-Acetylaminofluorene	2-Acetylaminofluorene	2-Acetylaminofluorene
112-07-2: 2-Butoxyethyl Acetate	Ethylene glycol monobutyl ether acetate	Glycol Ethers
532-27-4: 2-Chloroacetophenone	2-Chloroacetophenone	2-Chloroacetophenone
2051-60-7: 2-Chlorobiphenyl (PCB-1)	2-Chlorobiphenyl	Polychlorinated Biphenyls
91-58-7: 2-Chloronaphthalene	2-Chloronaphthalene	Polycyclic Organic Matter
91-57-6: 2-Methylnaphthalene	2-Methylnaphthalene	Polycyclic Organic Matter
607-57-8: 2-Nitrofluorene	2-Nitrofluorene	Polycyclic Organic Matter
79-46-9: 2-Nitropropane	2-Nitropropane	2-Nitropropane
20706-25-6: 2-Propoxyethyl Acetate	2-Propoxyethanol acetate	Glycol Ethers
91-94-1: 3,3'-Dichlorobenzidene	3,3'-Dichlorobenzidine	3,3'-Dichlorobenzidene
119-90-4: 3,3'-Dimethoxybenzidine	3,3'-Dimethoxybenzidine	3,3'-Dimethoxybenzidine
119-93-7: 3,3'-Dimethylbenzidine	3,3'-Dimethylbenzidine	3,3'-Dimethylbenzidine
10215-33-5: 3-Butoxy-1-Propanol	3-Butoxy-1-propanol	Glycol Ethers
1589-49-7: 3-Methoxy-1-Propanol	Trimethylene glycol monomethyl ether	Glycol Ethers
56-49-5: 3-Methylcholanthrene	3-Methylcholanthrene	Polycyclic Organic Matter
2050-68-2: 4,4'-Dichlorobiphenyl (PCB-15)	4,4'-Dichlorobiphenyl	Polychlorinated Biphenyls
101-14-4: 4,4'-Methylenebis(2-Chloraniline)	4,4'-Methylenebis(2-chloroaniline)	4,4'-Methylenebis(2-Chloroaniline)
101-77-9: 4,4'-Methylenedianiline	4,4'-Methylenedianiline	4,4'-Methylenedianiline
101-68-8: 4,4'-Methylenediphenyl Diisocyanate	4,4'-Methylenedi(phenyl isocyanate)	4,4'-Methylenediphenyl Diisocyanate
534-52-1: 4,6-Dinitro-o-Cresol	4,6-Dinitro-o-cresol	4,6-Dinitro-o-Cresol
92-67-1: 4-Aminobiphenyl	4-Aminobiphenyl	4-Aminobiphenyl
60-11-7: 4-Dimethylaminoazobenzene	4-Dimethylaminoazobenzene	4-Dimethylaminoazobenzene
92-93-3: 4-Nitrobiphenyl	4-Nitrobiphenyl	4-Nitrobiphenyl
100-02-7: 4-Nitrophenol	p-Nitrophenol	4-Nitrophenol
57835-92-4: 4-Nitropyrene	4-Nitropyrene	Polycyclic Organic Matter
3697-24-3: 5-Methylchrysene	5-Methylchrysene	Polycyclic Organic Matter

Description	EPA Chemical Reg. Name	Category
602-87-9: 5-Nitroacenaphthene	5-Nitroacenaphthene	Polycyclic Organic Matter
7496-02-8: 6-Nitrochrysene	6-Nitrochrysene	Polycyclic Organic Matter
57-97-6: 7,12-Dimethylbenz[a]Anthracene	7,12-Dimethylbenz[a]anthracene	Polycyclic Organic Matter
194-59-2: 7H-Dibenzo[c,g]carbazole	7H-Dibenzo[c,g]carbazole	Polycyclic Organic Matter
779-02-2: 9-Methyl Anthracene	9-Methylanthracene	Polycyclic Organic Matter
83-32-9: Acenaphthene	Acenaphthene	Polycyclic Organic Matter
208-96-8: Acenaphthylene	Acenaphthylene	Polycyclic Organic Matter
75-07-0: Acetaldehyde	Acetaldehyde	Acetaldehyde
60-35-5: Acetamide	Acetamide	Acetamide
75-05-8: Acetonitrile	Acetonitrile	Acetonitrile
98-86-2: Acetophenone	Acetophenone	Acetophenone
107-02-8: Acrolein	Acrolein	Acrolein
79-06-1: Acrylamide	Acrylamide	Acrylamide
79-10-7: Acrylic Acid	Acrylic acid	Acrylic Acid
107-13-1: Acrylonitrile	Acrylonitrile	Acrylonitrile
107-05-1: Allyl Chloride	Allyl chloride	Allyl Chloride
62-53-3: Aniline	Aniline	Aniline
120-12-7: Anthracene	Anthracene	Polycyclic Organic Matter
7440-36-0: Antimony	Antimony	Antimony Compounds
7440-38-2: Arsenic	Arsenic	Arsenic Compounds
1332-21-4: Asbestos	Asbestos	Asbestos
205-82-3: B[j]Fluoranthene	Benzo[j]fluoranthene	Polycyclic Organic Matter
56-55-3: Benz[a]Anthracene	Benz[a]anthracene	Polycyclic Organic Matter
71-43-2: Benzene	Benzene	Benzene
Benzene Soluble Organics (BSO)		Coke Oven Emissions
92-87-5: Benzidine	Benzidine	Benzidine
203-33-8: Benzo(a)Fluoranthene	Benzo[a]fluoranthene	Polycyclic Organic Matter
195-19-7: Benzo(c)phenanthrene	Benzo[c]phenanthrene	Polycyclic Organic Matter
203-12-3: Benzo(g,h,i)Fluoranthene	Benzo[ghi]fluoranthene	Polycyclic Organic Matter
50-32-8: Benzo[a]Pyrene	Benzo[a]pyrene	Polycyclic Organic Matter
205-99-2: Benzo[b]Fluoranthene	Benzo(b)fluoranthene	Polycyclic Organic Matter
192-97-2: Benzo[e]Pyrene	Benzo[e]pyrene	Polycyclic Organic Matter
191-24-2: Benzo[g,h,i,]Perylene	Benzo[ghi]perylene	Polycyclic Organic Matter
207-08-9: Benzo[k]Fluoranthene	Benzo[k]fluoranthene	Polycyclic Organic Matter
56832-73-6: Benzofluoranthenes	Benzofluoranthene	Polycyclic Organic Matter
98-07-7: Benzotrichloride	Benzotrichloride	Benzotrichloride
100-44-7: Benzyl Chloride	Benzyl chloride	Benzyl Chloride
7440-41-7: Beryllium	Beryllium	Beryllium Compounds

Description	EPA Chemical Reg. Name	Category
57-57-8: Beta-Propiolactone	beta-Propiolactone	Beta-Propiolactone
92-52-4: Biphenyl	Biphenyl	Biphenyl
117-81-7: Bis(2-Ethylhexyl)Phthalate	Di(2-ethylhexyl) phthalate	Bis(2-Ethylhexyl)Phthalate
542-88-1: Bis(Chloromethyl)Ether	Bis(chloromethyl) ether	Bis(Chloromethyl) Ether
75-25-2: Bromoform	Tribromomethane	Bromoform
124-17-4: Butyl Carbitol Acetate	Diethylene glycol monobutyl ether acetate	Glycol Ethers
7440-43-9: Cadmium	Cadmium	Cadmium Compounds
156-62-7: Calcium Cyanamide	Calcium cyanamide	Calcium Cyanamide
133-06-2: Captan	Captan	Captan
63-25-2: Carbaryl	Carbaryl	Carbaryl
86-74-8: Carbazole	Carbazole	Polycyclic Organic Matter
112-15-2: Carbitol Acetate	Diethylene glycol monoethyl ether acetate	Glycol Ethers
75-15-0: Carbon Disulfide	Carbon disulfide	Carbon Disulfide
56-23-5: Carbon Tetrachloride	Carbon tetrachloride	Carbon Tetrachloride
463-58-1: Carbonyl Sulfide	Carbonyl sulfide	Carbonyl Sulfide
120-80-9: Catechol	Catechol	Catechol
111-15-9: Cellosolve Acetate	Ethylene glycol monoethyl ether acetate	Glycol Ethers
110-80-5: Cellosolve Solvent	2-Ethoxyethanol	Glycol Ethers
Ceramic Fibers (Man-Made Fibers)	Ceramic fibers, man-made	Fine Mineral Fibers
133-90-4: Chloramben	Chloramben	Chloramben
57-74-9: Chlordane	Chlordane	Chlordane
7782-50-5: Chlorine	Chlorine	Chlorine
79-11-8: Chloroacetic Acid	Chloroacetic acid	Chloroacetic Acid
108-90-7: Chlorobenzene	Chlorobenzene	Chlorobenzene
510-15-6: Chlorobenzilate	Chlorobenzilate	Chlorobenzilate
67-66-3: Chloroform	Chloroform	Chloroform
107-30-2: Chloromethyl Methyl Ether	Chloromethyl methyl ether	Chloromethyl Methyl Ether
126-99-8: Chloroprene	Chloroprene	Chloroprene
7440-47-3: Chromium	Chromium	Chromium Compounds
18540-29-9: Chromium (VI)	Chromium(VI)	Chromium Compounds
16065-83-1: Chromium III	Chromium(III)	Chromium Compounds
218-01-9: Chrysene	Chrysene	Polycyclic Organic Matter
8007-45-2: Coal Tar	Coal tar	Polycyclic Organic Matter
7440-48-4: Cobalt	Cobalt	Cobalt Compounds
1319-77-3: Cresol	Cresol	Cresol/Cresylic Acid (Mixed Isomers)
98-82-8: Cumene	Cumene	Cumene
57-12-5: Cyanide	Cyanide	Cyanide Compounds

Description	EPA Chemical Reg. Name	Category
72-55-9: DDE (1,1-Dichloro-2,2-Bis(p-Chlorophenyl) Ethylene)	p,p'-DDE	DDE (1,1-Dichloro-2,2-Bis(p- Chlorophenyl) Ethylene)
2051-24-3: Decachlorobiphenyl (PCB-209)	Decachlorobiphenyl	Polychlorinated Biphenyls
16672-39-2: Di(Ethylene Glycol Monobutyl Ether) Phthalate	Bis(2-(2-butoxyethoxy)ethyl) phthalate	Glycol Ethers
334-88-3: Diazomethane	Diazomethane	Diazomethane
226-36-8: Dibenz[a,h]acridine	Dibenz[a,h]acridine	Polycyclic Organic Matter
192-65-4: Dibenzo[a,e]Pyrene	Dibenzo[a,e]pyrene	Polycyclic Organic Matter
53-70-3: Dibenzo[a,h]Anthracene	Dibenz[a,h]anthracene	Polycyclic Organic Matter
189-64-0: Dibenzo[a,h]Pyrene	Dibenzo[a,h]pyrene	Polycyclic Organic Matter
189-55-9: Dibenzo[a,i]Pyrene	Dibenzo[a,i]pyrene	Polycyclic Organic Matter
224-42-0: Dibenzo[a,j]Acridine	Dibenz[a,j]acridine	Polycyclic Organic Matter
191-30-0: Dibenzo[a,l]Pyrene	Dibenzo[a,l]pyrene	Polycyclic Organic Matter
132-64-9: Dibenzofuran	Dibenzofuran	Dibenzofuran
84-74-2: Dibutyl Phthalate	Dibutyl phthalate	Dibutyl Phthalate
111-44-4: Dichloroethyl Ether	Bis(2-chloroethyl) ether	Dichloroethyl Ether
62-73-7: Dichlorvos	Dichlorvos	Dichlorvos
111-42-2: Diethanolamine	Diethanolamine	Diethanolamine
64-67-5: Diethyl Sulfate	Diethyl sulfate	Diethyl Sulfate
120-55-8: Diethylene Glycol Dibenzoate	Diethylene glycol dibenzoate	Glycol Ethers
112-36-7: Diethylene Glycol Diethyl Ether	Diethylene glycol diethyl ether	Glycol Ethers
4206-61-5: Diethylene Glycol Diglycidyl Ether	Diethylene glycol diglycidyl ether	Glycol Ethers
111-96-6: Diethylene Glycol Dimethyl Ether	Diethylene glycol dimethyl ether	Glycol Ethers
693-21-0: Diethylene Glycol Dinitrate	Diethylene glycol dinitrate	Glycol Ethers
764-99-8: Diethylene Glycol Divinyl Ether	Ethene, 1,1'-[oxybis(2,1-ethanediyloxy)]bis-	Glycol Ethers
1002-67-1: Diethylene Glycol Ethyl Methyl Ether	Diethylene glycol ethyl methyl ether	Glycol Ethers
10143-53-0: Diethylene Glycol Ethylvinyl Ether	Ethene, [2-(2-ethoxyethoxy)ethoxy]-	Glycol Ethers
10143-54-1: Diethylene Glycol Mono-2-Cyanoethyl Ether	Diethylene glycol mono-2-cyanoethyl ether	Glycol Ethers
112-34-5: Diethylene Glycol Monobutyl Ether	Diethylene glycol monobutyl ether	Glycol Ethers
111-90-0: Diethylene Glycol Monoethyl Ether	Diethylene glycol monoethyl ether	Glycol Ethers
18912-80-6: Diethylene Glycol Monoisobutyl Ether	Diethylene glycol monoisobutyl ether	Glycol Ethers
111-77-3: Diethylene Glycol Monomethyl Ether	Diethylene glycol monomethyl ether	Glycol Ethers
929-37-3: Diethylene Glycol Monovinyl Ether	Diethylene glycol monovinyl ether	Glycol Ethers
10143-56-3: Diethyleneglycol-Mono-2-Methyl-Pentyl Ether	Diethylene glycol mono-2-methylpentyl ether	Glycol Ethers
131-11-3: Dimethyl Phthalate	Dimethyl phthalate	Dimethyl Phthalate
77-78-1: Dimethyl Sulfate	Dimethyl sulfate	Dimethyl Sulfate
79-44-7: Dimethylcarbamoyl Chloride	Dimethylcarbamoyl chloride	Dimethylcarbamoyl Chloride

Description	EPA Chemical Reg. Name	Category
Dioxins/Furans as 2,3,7,8-TCDD TEQs - TEQ scheme unspecified		Dioxins/Furans as 2,3,7,8-TCDD TEQs
Dioxins/Furans as 2,3,7,8-TCDD TEQs - WHO/98	Chlorinated dioxins and furans -- 2,3,7,8 congeners only	Dioxins/Furans as 2,3,7,8-TCDD TEQs - WHO/98
Dioxins/Furans as 2,3,7,8-TCDD TEQs -I/89	Chlorinated dioxins and furans -- 2,3,7,8 congeners only	Dioxins/Furans as 2,3,7,8-TCDD TEQs -I/89
106-89-8: Epichlorohydrin	Epichlorohydrin	Epichlorohydrin
112-50-5: Ethoxytriglycol	Triethylene glycol monoethyl ether	Glycol Ethers
140-88-5: Ethyl Acrylate	Ethyl acrylate	Ethyl Acrylate
100-41-4: Ethyl Benzene	Ethylbenzene	Ethylbenzene
51-79-6: Ethyl Carbamate Chloride	Urethane	Ethyl Carbamate Chloride
75-00-3: Ethyl Chloride	Chloroethane	Ethyl Chloride
106-93-4: Ethylene Dibromide	Ethylene dibromide	Ethylene Dibromide
107-06-2: Ethylene Dichloride	1,2-Dichloroethane	Ethylene Dichloride
107-21-1: Ethylene Glycol	Ethylene glycol	Ethylene Glycol
3775-85-7: Ethylene Glycol Bis(2,3-Epoxy-2-Methylpropyl) Ether	Ethylene glycol bis(2,3-epoxy-2-methylpropyl) ether	Glycol Ethers
7529-27-3: Ethylene Glycol Diallyl Ether	Ethylene glycol diallyl ether	Glycol Ethers
629-14-1: Ethylene Glycol Diethyl Ether	Ethylene glycol diethyl ether	Glycol Ethers
109-86-4: Ethylene Glycol Methyl Ether	2-Methoxyethanol	Glycol Ethers
622-08-2: Ethylene Glycol Monobenzyl Ether	Ethanol, 2-(phenylmethoxy)-	Glycol Ethers
110-49-6: Ethylene Glycol Monomethyl Ether Acetate	Ethylene glycol monomethyl ether acetate	Glycol Ethers
7795-91-7: Ethylene Glycol Mono-Sec-Butyl Ether	Ethylene glycol mono-sec-butyl ether	Glycol Ethers
764-48-7: Ethylene Glycol Monovinyl Ether	Ethylene glycol monovinyl ether	Glycol Ethers
75-21-8: Ethylene Oxide	Ethylene oxide	Ethylene Oxide
96-45-7: Ethylene Thiourea	Ethylene thiourea	Ethylene Thiourea
10137-96-9: Ethyleneglycol Mono-2-Methylpentyl Ether	Ethylene glycol mono-2-methylpentyl ether	Glycol Ethers
23495-12-7: Ethyleneglycol Monophenyl Ether Propionate	Ethylene glycol monophenyl ether propionate	Glycol Ethers
10137-98-1: Ethyleneglycolmono-2,6,8-Trimethyl-4-Nonyl Ether	Ethylene glycol mono-2,6,8-trimethyl-4-nonyl ether	Glycol Ethers
151-56-4: Ethyleneimine	Aziridine	Ethyleneimine (Aziridine)
75-34-3: Ethylidene Dichloride	1,1-Dichloroethane	Ethylidene Dichloride
Fine Mineral Fibers	Fine mineral fibers	Fine Mineral Fibers
206-44-0: Fluoranthene	Fluoranthene	Polycyclic Organic Matter
86-73-7: Fluorene	Fluorene	Polycyclic Organic Matter
50-00-0: Formaldehyde	Formaldehyde	Formaldehyde
Glasswool (Man-Made Fibers)		Fine Mineral Fibers
Glycol Ethers	Glycol ethers	Glycol Ethers

Description	EPA Chemical Reg. Name	Category
76-44-8: Heptachlor	Heptachlor	Heptachlor
28655-71-2: Heptachlorobiphenyl	Heptachlorobiphenyl	Polychlorinated Biphenyls
118-74-1: Hexachlorobenzene	Hexachlorobenzene	Hexachlorobenzene
26601-64-9: Hexachlorobiphenyl	Hexachlorobiphenyl	Polychlorinated Biphenyls
87-68-3: Hexachlorobutadiene	Hexachlorobutadiene	Hexachlorobutadiene
77-47-4: Hexachlorocyclopentadiene	Hexachlorocyclopentadiene	Hexachlorocyclopentadiene
67-72-1: Hexachloroethane	Hexachloroethane	Hexachloroethane
822-06-0: Hexamethylene Diisocyanate	Hexamethylene-1,6-diisocyanate	Hexamethylene Diisocyanate
680-31-9: Hexamethylphosphoramide	Hexamethylphosphoramide	Hexamethylphosphoramide
110-54-3: Hexane	Hexane	Hexane
302-01-2: Hydrazine	Hydrazine	Hydrazine
7647-01-0: Hydrochloric Acid	Hydrochloric acid	Hydrochloric Acid
7664-39-3: Hydrogen Fluoride	Hydrofluoric acid	Hydrogen Fluoride
123-31-9: Hydroquinone	Hydroquinone	Hydroquinone
193-39-5: Indeno[1,2,3-c,d]Pyrene	Indeno[1,2,3-cd]pyrene	Polycyclic Organic Matter
10043-66-0: Iodine 131	Iodine-131	Radionuclides (Including Radon)
4439-24-1: Isobutyl Cellosolve	Ethylene glycol monoisobutyl ether	Glycol Ethers
78-59-1: Isophorone	Isophorone	Isophorone
7439-92-1: Lead	Lead	Lead Compounds
14255-04-0: Lead-210	Lead-210	Radionuclides (Including Radon)
108-31-6: Maleic Anhydride	Maleic anhydride	Maleic Anhydride
7439-96-5: Manganese	Manganese	Manganese Compounds
108-39-4: m-Cresol	m-Cresol	Cresol/Cresylic Acid (Mixed Isomers)
7439-97-6: Mercury	Mercury	Mercury Compounds
67-56-1: Methanol	Methanol	Methanol
72-43-5: Methoxychlor	Methoxychlor	Methoxychlor
111-10-4: Methoxyethyl Oleate	2-Methoxyethyl oleate	Glycol Ethers
112-35-6: Methoxytriglycol	Triethylene glycol monomethyl ether	Glycol Ethers
74-83-9: Methyl Bromide	Methyl bromide	Methyl Bromide
140-05-6: Methyl Cellosolve Acetylricinoleate	Methyl cellosolve acetyl ricinoleate	Glycol Ethers
3121-61-7: Methyl Cellosolve Acrylate	Ethylene glycol monomethyl ether acrylate	Glycol Ethers
74-87-3: Methyl Chloride	Chloromethane	Methyl Chloride
71-55-6: Methyl Chloroform	1,1,1-Trichloroethane	Methyl Chloroform
74-88-4: Methyl Iodide	Methyl iodide	Methyl Iodide
108-10-1: Methyl Isobutyl Ketone	Methyl isobutyl ketone	Methyl Isobutyl Ketone
624-83-9: Methyl Isocyanate	Methyl isocyanate	Methyl Isocyanate
80-62-6: Methyl Methacrylate	Methyl methacrylate	Methyl Methacrylate
1634-04-4: Methyl Tert-Butyl Ether	Methyl tert-butyl ether	Methyl Tert-Butyl Ether

Description	EPA Chemical Reg. Name	Category
26914-18-1: Methylanthracene	Methylanthracene	Polycyclic Organic Matter
65357-69-9: Methylbenzopyrene	Methylbenzopyrene	Polycyclic Organic Matter
41637-90-5: Methylchrysene	Methylchrysene	Polycyclic Organic Matter
75-09-2: Methylene Chloride	Methylene chloride	Methylene Chloride
Methylene Chloride Soluble Organics (MCSO)		Coke Oven Emissions
60-34-4: Methylhydrazine	Methyl hydrazine	Methylhydrazine
108-38-3: m-Xylene	m-Xylene	Xylenes (Mixed Isomers)
121-69-7: N,N-Dimethylaniline	N,N-Dimethylaniline	N,N-Dimethylaniline
68-12-2: N,N-Dimethylformamide	N,N-Dimethylformamide	N,N-Dimethylformamide
91-20-3: Naphthalene	Naphthalene	Naphthalene
112-59-4: N-Hexyl Carbitol	Diethylene glycol monohexyl ether	Glycol Ethers
7440-02-0: Nickel	Nickel	Nickel Compounds
98-95-3: Nitrobenzene	Nitrobenzene	Nitrobenzene
62-75-9: N-Nitrosodimethylamine	N-Nitrosodimethylamine	N-Nitrosodimethylamine
59-89-2: N-Nitrosomorpholine	N-Nitrosomorpholine	N-Nitrosomorpholine
684-93-5: N-Nitroso-N-Methylurea	N-Nitroso-N-methylurea	N-Nitroso-N-Methylurea
53742-07-7: Nonachlorobiphenyl	Nonachlorobiphenyl	Polychlorinated Biphenyls
90-04-0: o-Anisidine	o-Anisidine	o-Anisidine
95-48-7: o-Cresol	o-Cresol	Cresol/Cresylic Acid (Mixed Isomers)
55722-26-4: Octachlorobiphenyl	Octachlorobiphenyl	Polychlorinated Biphenyls
39001-02-0: Octachlorodibenzofuran	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	Dioxins/Furans as 2,3,7,8-TCDD TEQs
3268-87-9: Octachlorodibenzo-p-Dioxin	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	Dioxins/Furans as 2,3,7,8-TCDD TEQs
95-53-4: o-Toluidine	o-Toluidine	o-Toluidine
95-47-6: o-Xylene	o-Xylene	Xylenes (Mixed Isomers)
130498-29-2: PAH, total	Polycyclic aromatic hydrocarbons	Polycyclic Organic Matter
56-38-2: Parathion	Parathion	Parathion
106-44-5: p-Cresol	p-Cresol	Cresol/Cresylic Acid (Mixed Isomers)
123-91-1: p-Dioxane	1,4-Dioxane	p-Dioxane
25429-29-2: Pentachlorobiphenyl	Pentachlorobiphenyl	Polychlorinated Biphenyls
82-68-8: Pentachloronitrobenzene	Pentachloronitrobenzene	Pentachloronitrobenzene
87-86-5: Pentachlorophenol	Pentachlorophenol	Pentachlorophenol
198-55-0: Perylene	Perylene	Polycyclic Organic Matter
85-01-8: Phenanthrene	Phenanthrene	Polycyclic Organic Matter
108-95-2: Phenol	Phenol	Phenol
122-99-6: Phenyl Cellosolve	Ethylene glycol monophenyl ether	Glycol Ethers
75-44-5: Phosgene	Phosgene	Phosgene
7803-51-2: Phosphine	Phosphine	Phosphine
7723-14-0: Phosphorus	Phosphorus	Phosphorus

Description	EPA Chemical Reg. Name	Category
85-44-9: Phthalic Anhydride	Phthalic anhydride	Phthalic Anhydride
13981-52-7: Polonium-210	Polonium-210	Radionuclides (Including Radon)
1336-36-3: Polychlorinated Biphenyls	Polychlorinated biphenyls	Polychlorinated Biphenyls
13966-00-2: Potassium-40	Potassium-40	Radionuclides (Including Radon)
106-50-3: p-Phenylenediamine	p-Phenylenediamine	p-Phenylenediamine
123-38-6: Propionaldehyde	Propionaldehyde	Propionaldehyde
114-26-1: Propoxur	Propoxur	Propoxur
2807-30-9: Propyl Cellosolve	Ethylene glycol monopropyl ether	Glycol Ethers
78-87-5: Propylene Dichloride	1,2-Dichloropropane	Propylene Dichloride
75-56-9: Propylene Oxide	Propylene oxide	Propylene Oxide
106-42-3: p-Xylene	p-Xylene	Xylenes (Mixed Isomers)
129-00-0: Pyrene	Pyrene	Polycyclic Organic Matter
91-22-5: Quinoline	Quinoline	Quinoline
106-51-4: Quinone	Quinone	Quinone
Radionuclides (Including Radon)	Radionuclides (including radon)	Radionuclides (Including Radon)
13982-63-3: Radium-226	Radium-226	Radionuclides (Including Radon)
14859-67-7: Radon-222	Radon-222	Radionuclides (Including Radon)
Rockwool (Man-Made Fibers)	Fine mineral fibers	Fine Mineral Fibers
7782-49-2: Selenium	Selenium	Selenium Compounds
Slagwool (Man-Made Fibers)	Fine mineral fibers	Fine Mineral Fibers
100-42-5: Styrene	Styrene	Styrene
96-09-3: Styrene Oxide	Styrene oxide	Styrene Oxide
26914-33-0: Tetrachlorobiphenyl	Tetrachlorobiphenyl	Polychlorinated Biphenyls
127-18-4: Tetrachloroethylene	Tetrachloroethylene	Tetrachloroethylene
14274-82-9: Thorium-228	Thorium-228	Radionuclides (Including Radon)
14269-63-7: Thorium-230	Thorium-230	Radionuclides (Including Radon)
7440-29-1: Thorium-232	Thorium-232	Radionuclides (Including Radon)
7550-45-0: Titanium Tetrachloride	Titanium tetrachloride	Titanium Tetrachloride
108-88-3: Toluene	Toluene	Toluene
95-80-7: Toluene-2,4-Diamine	2,4-Toluenediamine	Toluene-2,4-Diamine
8001-35-2: Toxaphene	Toxaphene	Toxaphene
79-01-6: Trichloroethylene	Trichloroethylene	Trichloroethylene
121-44-8: Triethylamine	Triethylamine	Triethylamine
112-27-6: Triethylene glycol	Triethylene glycol	Glycol Ethers
112-49-2: Triethylene Glycol Dimethyl Ether	Triethylene glycol dimethyl ether	Glycol Ethers
1582-09-8: Trifluralin	Trifluralin	Trifluralin
143-22-6: Triglycol Monobutyl Ether	Triethylene glycol monobutyl ether	Glycol Ethers
7440-61-1: Uranium-238	Uranium-238	Radionuclides (Including Radon)

Description	EPA Chemical Reg. Name	Category
108-05-4: Vinyl Acetate	Vinyl acetate	Vinyl Acetate
593-60-2: Vinyl Bromide	Vinyl bromide	Vinyl Bromide
75-01-4: Vinyl Chloride	Vinyl chloride	Vinyl Chloride
75-35-4: Vinylidene Chloride	1,1-Dichloroethylene	Vinylidene Chloride
1330-20-7: Xylenes (Mixed Isomers)	Xylene	Xylenes (Mixed Isomers)
Antimony Compounds	Antimony and Compounds	Antimony Compounds
Arsenic Compounds	Arsenic and Compounds	Arsenic Compounds
Beryllium Compounds	Beryllium and Compounds	Beryllium Compounds
Cadmium Compounds	Cadmium and Compounds	Cadmium Compounds
Chromium Compounds	Chromium and Compounds	Chromium Compounds
Cobalt Compounds	Cobalt and Compounds	Cobalt Compounds
Coke Oven Emissions	Coke Oven Emissions	Coke Oven Emissions
Cyanide Compounds	Cyanide and Compounds	Cyanide Compounds
Lead Compounds	Lead and Compounds	Lead Compounds
Manganese Compounds	Manganese and Compounds	Manganese Compounds
Mercury Compounds	Mercury and Compounds	Mercury Compounds
Nickel Compounds	Nickel and Compounds	Nickel Compounds
Polycyclic Organic Matter	Polycyclic organic matter - including 15-PAH	Polycyclic Organic Matter
Selenium compounds	Selenium and Compounds	Selenium Compounds

Description	EPA Chemical Reg. Name	Category

Note: For all listings above which contain the word "compounds" and for glycol ethers, the following applies: Unless otherwise specified, these listings are defined as including any unique chemical substance that contains the named chemical (i.e., antimony, arsenic, etc.) as part of that chemical's infrastructure.

Cyanide Compounds	X´CN where X = H´ or any other group where a formal dissociation may occur. For example, KCN or $Ca(CN)_2$
Glycol ethers	Includes mono- and di-ethers of ethylene glycol, diethylene glycol, and triethylene glycol $R\text{-}(OCH_2CH_2)_n\text{-}OR´$ where: n = 1, 2, or 3 R = alkyl or aryl groups R´ = R, H, or groups which, when removed, yield glycol ethers with the structure: $R\text{-}(OCH_2CH)_n\text{-}OH$. Polymers are excluded from the glycol category.
Fine Mineral Fibers	Includes mineral fiber emissions from facilities manufacturing or processing glass,
Polycyclic Organic Matter	Includes organic compounds with more than one benzene ring, and which have a boiling
Radionuclides (including radon)	A type of atom which spontaneously undergoes radioactive decay.

Note: Methyl ethyl ketone (MEK) has been de-listed as a HAP by EPA effective January 1, 2006.

Process Type
External Combustion Boilers
Industrial Processes
Internal Combustion Engines
MACT Source Categories
Mobile Sources
Petroleum and Solvent Evaporation
Waste Disposal
Other

Emissions Calculation Methods

Description
1. Continuous Emission Monitoring System
2. Engineering Judgment
3. Material Balance
4. Stack Test (no Control Efficiency used)
5. US EPA Speciation Profile
6. S/L/T Speciation Profile
7. Manufacturer Specification
8. US EPA Emission Factor (no Control Efficiency used)
9. S/L/T Emission Factor (no Control Efficiency used)
10. Site-Specific Emission Factor (no Control Efficiency used)
11. Vendor Emission Factor (no Control Efficiency used)
12. Trade Group Emission Factor (no Control Efficiency used)
13. Other Emission Factor (no Control Efficiency used)
24. Stack Test (pre-control) plus Control Efficiency
28. USEPA Emission Factor (pre-control) plus Control Efficiency
29. S/L/T Emission Factor (pre-control) plus Control Efficiency
30. Site-Specific Emission Factor (pre-control) plus Control Efficiency
31. Vendor Emission Factor (pre-control) plus Control Efficiency
32. Trade Group Emission Factor (pre-control) plus Control Efficiency
33. Other Emission Factor (pre-control) plus Control Efficiency

Control Devices and Practices

Description	Type
Activated Carbon Adsorption	Device
Activated Clay Adsorption	Device
Afterburner	Device
Air Injection	Device
Alkaline Fly Ash Scrubbing	Device
Alkalized Alumina	Device
Ammonia Injection	Device
Ammonia Scrubbing	Device
Annular Ring Filter	Device
Baffle	Device
Baghouse	Device
Boiler at Landfill	Device
Bottom Filling	Practice
Carbon Injection	Device
Catalytic Afterburner	Device
Catalytic Afterburner with Heat Exchanger	Device
Catalytic Converter	Device
Catalytic Oxidizer	Device
Catalytic Reduction	Device
CEM Upgrade and Increased Monitoring Frequency of PM Controls	Practice
Centrifugal Collector	Device
Chemical Neutralization	Device
Chemical Oxidation	Device
Chemical Reduction	Device
Clean Burn	Device
Condenser	Device
Conservation Vent	Device
Control of % O2 in Combustion Air (Off Stoichiometric Firing)	Device
Conversion to Floating Roof Tank	Practice
Conversion to Pressurized Tank	Practice
Conversion to Variable Vapor Space Tank	Practice
Direct Flame Afterburner	Device
Direct Flame Afterburner with Heat Exchanger	Device
Dry Electrostatic Granular Filter (DEGF)	Device
Dry Limestone Injection	Device
Dry Scrubber	Device
Dry Sorbent Injection	Device
Dual Alkali Scrubbing	Device
Dust Suppression	Device
Dynamic Separator (Dry)	Device
Dynamic Separator (wet)	Device
Electrostatic Precipitator	Device
Electrostatic Spraying	Device
Fabric Filter	Device
Flaring	Device
Flue Gas Desulfurization	Device

Description	Type
Flue Gas Recirculation	Device
Freeboard Refrigeration Device	Device
Gravel Bed Filter	Device
Gravity Collector	Device
High-Efficiency Particulate Air Filter (HEPA)	Device
Incinerator	Device
Increased Air/Fuel Ratio with Intercooling	Practice
Increased Monitoring Frequency (IMF) of PM Controls	Practice
Installation of Secondary Seal for External Floating Roof Tank	Device
Knock Out Box	Device
Liquid Filtration System	Device
Low Excess Air Firing	Device
Low Nitrogen Content Fuel	Practice
Low NOx Burners	Device
Low Solvent Coatings	Device
Magnesium Oxide Scrubbing	Device
Mat or Panel Filter	Device
Mechanical Collector	Device
Metal Fabric Filter Screen (Cotton Gins)	Device
Miscellaneous Control Devices	Device
Mist Eliminator	Device
Modified Burner or Furnace Design	Device
Molecular Sieve	Device
Multiple Cyclones	Device
Nitrogen Blanket	Device
Overfire Air	Device
Ozonation	Device
Packed-Gas Absorption Column	Device
Powder Coatings	Device
Pre-Combustion Chamber	Device
Process Change	Practice
Process Enclosed	Device
Process Gas Recovery	Device
Quench Tower	Device
Reduced Combustion - Air Preheating	Device
Rotoclone	Device
SCR	Device
Screen	Device
Screened Drums or Cages	Device
Scrubber	Device
Single Cyclone	Device
SNCR	Device
Sodium Carbonate Scrubbing	Device
Sodium-Alkali Scrubbing	Device
Spray Dryer	Device
Spray Screen	Device
Spray Tower	Device
Staged combustion	Device

Description	Type
Steam Injection	Device
Submerged Filling	Practice
Sulfur Plant	Device
Sulfuric Acid Plant	Device
Thermal Oxidizer	Device
Tray-Type Gas Absorption Column	Device
Underground Tank	Practice
Vapor Lock Balance Recovery System	Device
Vapor Recovery Unit	Device
Water Curtain	Device
Water Injection	Device
Waterborne Coatings	Device
Wet Cyclonic Separator	Device
Wet Electrostatic Precipitator	Device
Wet Lime Slurry Scrubbing	Device
Wet Limestone Injection	Device
Wet Scrubber	Device
Wet Suppression	Practice
White Paint	Device

Throughput Unit of Measurement

Description
ACRES
ACRE-DAYS
ACRE-MONTHS
ACRE-YEARS
AMPERE-HOURS
BALES
BARRELS
BARRELS (50 GALLON)
BOARD FEET
BUSHELS
DAY
100 BARRELS
100 POUNDS
100 TONS
1000 AMPERE-HOURS
1000 BARRELS
1000 BARRELS (31 GALLON)
1000 BOARD FEET
1000 BUSHELS
1000 EACH
1000 FEET
1000 SQUARE FEET
1000 CUBIC FEET
1000 STANDARD CUBIC FEET
1000 GALLONS
1000 HORSEPOWER-HOURS
1000 POUNDS
1000 MILES
1000 TONS
1000 CUBIC YARDS
10,000 SQUARE FEET
100,000 HORSEPOWER-HOURS
MILLION BOARD FEET
MILLION BTUS
MILLION EACH
MILLION SQUARE FEET
MILLION CUBIC FEET
MILLION STANDARD CUBIC FEET
MILLION GALLONS
MILLION POUNDS
MILLION MILES
MILLION TONS
EACH
FEET
SQUARE FEET
CUBIC FEET

Description
STANDARD CUBIC FEET
SCFM-YEAR
DRY STANDARD CUBIC FEET
GALLONS
GALLON PER MINUTE-YEAR
HORSEPOWER-HOURS
HOUR
KILOGRAMS
KILOWATT-HOUR
POUNDS
CUBIC METERS
MEGAGRAMS
MILES
MEGAWATT-HOUR
TONS
SQUARE YARDS
CUBIC YARDS
CUBIC YARD-MILES